

A-893

## Chemical Properties

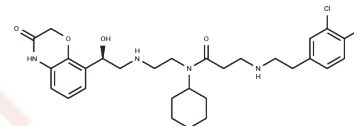
CAS No. : 1868232-32-9

Formula: C<sub>29</sub>H<sub>38</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>4</sub>

Molecular Weight: 577.54

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	A-893 is a cell-active inhibitor of Methyltransferase SMYD2 (IC <sub>50</sub> = 2.8 nM).
Targets(IC <sub>50</sub> )	Others,Histone Methyltransferase
In vitro	Treatment with A-893 or AZ505 leads to a decrease in the ratio of p53K370me1 to total p53 levels, with AZ505 prompting a more significant response. Despite A-893 not affecting overall p53 levels, AZ505 results in an unexpected increase of over threefold. Further analysis indicates that A-893 reduces the p53K370me1 methyl mark by 42%, whereas AZ505 achieves a 28% reduction, slightly less effectively [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7315 mL	8.6574 mL	17.3148 mL
5 mM	0.3463 mL	1.7315 mL	3.463 mL
10 mM	0.1731 mL	0.8657 mL	1.7315 mL
50 mM	0.0346 mL	0.1731 mL	0.3463 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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